Asad Mehmood

List of Publications by Year
in descending order

16 papers	1,066 citations	687363 13 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	1294 citing authors

#	Article	IF	Citations
1	High loading of single atomic iron sites in Feâ€“NC oxygen reduction catalysts for proton exchange membrane fuel cells. Nature Catalysis, 2022, 5, 311-323.	34.4	248
2	Establishing reactivity descriptors for platinum group metal (PGM)-free Feâ€“Nâ€“C catalysts for PEM fuel cells. Energy and Environmental Science, 2020, 13, 2480-2500.	30.8	205
3	An Overview of the Recent Progress in the Synthesis and Applications of Carbon Nanotubes. Journal of Carbon Research, 2019, 5, 3.	2.7	128
4	Facile Metal Coordination of Active Site Imprinted Nitrogen Doped Carbons for the Conservative Preparation of Nonâ€Noble Metal Oxygen Reduction Electrocatalysts. Advanced Energy Materials, 2018, 8, 1701771.	19.5	73
5	Excellent electrocatalytic effects of tin through in situ electrodeposition on the performance of all-vanadium redox flow batteries. Journal of Materials Chemistry A, 2017, 5, 17388-17400.	10.3	62
6	Effects of the induced micro- and meso-porosity on the single site density and turn over frequency of Fe-N-C carbon electrodes for the oxygen reduction reaction. Applied Catalysis B: Environmental, 2021, 291, 120068.	20.2	62
7	Ionothermal template transformations for preparation of tubular porous nitrogen doped carbons. Materials Horizons, 2017, 4, 493-501.	12.2	58
8	Reduced graphene oxide as a stable and high-capacity cathode material for Na-ion batteries. Scientific Reports, 2017, 7, 40910.	3.3	49
9	Nanoporous nitrogen doped carbons with enhanced capacity for sodium ion battery anodes. Energy Storage Materials, 2020, 28, 101-111.	18.0	43
10	Highly Selective O₂ Reduction to H₂O₂ Catalyzed by Cobalt Nanoparticles Supported on Nitrogen-Doped Carbon in Alkaline Solution. ACS Catalysis, 2021, 11, 5035-5046.	11.2	36
11	A highly efficient and stable organic additive for the positive electrolyte in vanadium redox flow batteries: taurine biomolecules containing â€“NH₂and â€“SO₃H functional groups. Journal of Materials Chemistry A, 2018, 6, 4695-4705.	10.3	33
12	Deactivation, reactivation and super-activation of Fe-N/C oxygen reduction electrocatalysts: Gas sorption, physical and electrochemical investigation using NO and O2. Applied Catalysis B: Environmental, 2021, 292, 120169.	20.2	24
13	Synthesis of Fe3C@C core-shell catalysts with controlled shell composition for robust oxygen evolution reaction. Applied Surface Science, 2021, 551, 149445.	6.1	22
14	Development of a highly active Fe N C catalyst with the preferential formation of atomic iron sites for oxygen reduction in alkaline and acidic electrolytes. Journal of Colloid and Interface Science, 2021, 596, 148-157.	9.4	13
15	Entangled reduced graphene oxide nanosheets as an insertion anode with large interlayer spacing for high rate Na-ion batteries. Ceramics International, 2020, 46, 27711-27716.	4.8	10
16	Ionothermal Carbon Nanochemistry and Its Use in Energy Conversion. ECS Meeting Abstracts, 2017, , .	0.0	0